

ESPRIMO™ E Series

Your desktop without compromises

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Economy

Sophisticated technologies for best in class economy.

Reduce cost of your professional PC by lowest energy consumption! The switched monitor outlet powers the display through the system. Switching off the systems means disconnecting the display, this saves up to ~ 20 % of the display power consumption annually. Additionally, software and BIOS power management solutions reduce the overall average power consumption.

Further Total Cost of Ownership reductions are achieved through a comprehensive set of manageability features, sophisticated security solutions and a service friendly cabinet design.

For highest economy, ESPRIMO professional PCs are designed to increase your productivity and to decrease your cost.

Reliability

- Complete system development and manufacturing by Fujitsu Siemens Computers guarantees highest quality
- Platform stability and product continuity with managed lifecycle up to 18 month and chipset diversity

Environment

- Build with specially selected materials, the ESPRIMO Green PC brings economy and ecology in harmony
- From development to production, from transport to recycling –minimize the impact on the environment and limit the use of unrecoverable resources.

Ergonomics

- Sophisticated hardware design with optimized fans and air flow provides most silent system for an efficient working environment
- Best usability and complete quality – service friendly cabinet and easy access to all components

Customizing

- Tailor-made products to meet customer individual requirements
- Freedom of choice with systems which perfectly fit to specific customer

Manageability

- Reduce Total Cost of Ownership with a comprehensive set of system management features
- Easy and remote administration with DeskView client management

Security

- Access and data protection with sophisticated hardware and software components for secure systems
- Protect property – secure hardware and data and limit access with SmartCard Reader



New design with new platform

	E5915	E5916	E5615, EPA	E5615	E5616	E5710	E5720	E5720, EPA	E5925 vPro	E5925 vPro, EPA
Mainboard						ATI Radeon® Xpress 1100				
Chipset	iQ965	iQ965 iAMT	NVIDIA C51PV	NVIDIA C51PV	NVIDIA C51PV D2464-B TPM		iQ33	iQ33	iQ35 vPro	iQ35 vPro
Mainboard Number	D2344	D2348	D2464-A	D2464-A		D2454	D2594	D2594	D2598	D2598
Mainboard form factor	proprietary	proprietary	proprietary	proprietary	proprietary	proprietary	proprietary	proprietary	proprietary	proprietary
Processor socket	LGA 775	LGA 775	Socket AM2	Socket AM2	Socket AM2	LGA 775	LGA 775	LGA 775	LGA 775	LGA 775
Front side bus resp.	533/800/1066 MHz	533/800/1066 MHz	2000 MHz	2000 MHz	2000 MHz	533/800/1066 MHz	800/1066/1333 MHz	800/1066/1333 MHz	800/1066/1333 MHz	800/1066/1333 MHz
System bus support	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0
BIOS version										
Flash EPROM BIOS update by software	x	x	x	x	x	x	x	x	x	x
Recovery BIOS	x	x	x	x	x	x	x	x	x	x
Processor										
Intel® Core™2 Duo E6xxx	up to E6700	up to E6700	-	-	-	up to E6700	up to E6850	up to E6850	up to E6850	up to E6850
Second level cache	2MB/4MB	2MB/4MB	-	-	-	2MB/4MB	4MB	4MB	4MB	4MB
Front side bus (FSB)	1066MHz	1066MHz	-	-	-	1066MHz	1333MHz	1333MHz	1333MHz	1333MHz
Intel® Core™2 Duo E4xxx	up to E4400	up to E4400	-	-	-	up to E4400	up to E4400	up to E4400	up to E4400	up to E4400
Second level cache	2MB	2MB	-	-	-	2MB	2MB	2MB	2MB	2MB
Front side bus (FSB)	800MHz	800MHz	-	-	-	800MHz	800MHz	800MHz	800MHz	800MHz
Intel® Pentium™ Dual core E2xxx	up to E2160	up to E2160	-	-	-	up to E2160	up to E2160	up to E2160	up to E2160	up to E2160
Second level cache	1MB	1MB	-	-	-	1MB	1MB	1MB	1MB	1MB
Front side bus (FSB)	800MHz	800MHz	-	-	-	800MHz	800MHz	800MHz	800MHz	800MHz
Intel® Celeron	up to 440	up to 440	-	-	-	up to 440	up to 440	up to 440	up to 440	up to 440
Second level cache	512 KB	512 KB	-	-	-	512 KB	512 KB	512 KB	512 KB	512 KB
Front side bus (FSB)	533 MHz	533 MHz	-	-	-	800 MHz	800 MHz	800 MHz	800 MHz	800 MHz
AMD Athlon™ 64 X2 (socket)	-	-	up to 5200+ (AM2)	up to 5200+ (AM2)	up to 5200+ (AM2)	-	-	-	-	-
Second level cache	-	-	2 x 512 KB	2 x 512 KB	2 x 512 KB	-	-	-	-	-
System Bus support	-	-	2000 MHz	2000 MHz	2000 MHz	-	-	-	-	-
AMD Athlon™ 64 (socket)	-	-	3800+ (AM2)	3800+ (AM2)	up to 3800+ (AM2)	-	-	-	-	-
Second level cache	-	-	512 KB	512 KB	512 KB	-	-	-	-	-
System Bus support	-	-	2000 MHz	2000 MHz	2000 MHz	-	-	-	-	-
AMD Sempron™ (socket)	-	-	3600+ (AM2)	3600+ (AM2)	3600+ (AM2)	-	-	-	-	-
Second level cache	-	-	256 KB	256 KB	256 KB	-	-	-	-	-
System Bus support	-	-	1600MHz	1600MHz	1600MHz	-	-	-	-	-
AMD Athlon™ X2 (socket) Energy efficient	-	-	BE-2350 (AM2)	BE-2350 (AM2)	BE-2350 (AM2)	-	-	-	-	-
Second level cache	-	-	2x 512 KB	2x 512 KB	2x 512 KB	-	-	-	-	-
System Bus support	-	-	2000Mhz	2000Mhz	2000Mhz	-	-	-	-	-
Memory										
Memory support	533/667/800 MHz	533/667/800 MHz	533/667/800 MHz	533/667/800 MHz	533/667/800 MHz	533/667 MHz	667/800 MHz	667/800 MHz	667/800 MHz	667/800 MHz
DIMM slots	4	4	4	4	4	2	4	4	4	4
dual channel support	x	x	x	x	x	-	x	x	x	x
Max. capacity DDR2 SDRAM	8GB	8GB	8GB	8GB	8GB	4GB	8GB	8GB	8GB	8GB
for dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same						4GB address space (with future memory modules). Thereof, max. 3.0GB usable for physical main memory.				
Interfaces										
Mouse/keyboard (PS2)	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x
Serial (9pi, 16 byte FIFO, 16550 compatible)	x	x	x	x	x	x	x	x	x	x
Second serial port	x	x	x	x	x	x	x	x	x	x
Parallel (25pin with EPP and ECP)	-	-	-	-	-	-	optional	optional	optional	optional
Display (15 pin, VGA)	x	x	x	x	x	x	x	x	x	x
DVI	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
Micro (mono) rear	-	-	-	-	-	-	-	-	-	-
Line in (stereo) rear	x	x	x	x	x	x	x	x	x	x
Line out (stereo) rear	x	x	x	x	x	x	x	x	x	x
Micro (mono) front	x	x	x	x	x	x	x	x	x	x
Headphone in front	x	x	x	x	x	x	x	x	x	x
LAN RJ45	x	x	x	x	x	x	x	x	x	x

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	E5915	E5916	E5615, EPA	E5615	E5616	E5710	E5720	E5720, EPA	E5925 vPro	E5925 vPro, EPA
Graphic on board	Intel® GMA 3000	Intel® GMA 3000	NVIDIA C51PV (Geforce 6150LE)	NVIDIA C51PV (Geforce 6150LE)	NVIDIA C51PV (Geforce 6150LE)	ATI RC415	Intel® GMA 3100	Intel® GMA 3100	Intel® GMA 3100	Intel® GMA 3100
Shared memory depending on driver	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB
3D SW interface	DirectX 9	DirectX 9	DirectX 9	DirectX 9	DirectX 9	DirectX 9	DirectX 9	DirectX 9	DirectX 9	DirectX 9
Resolution (color depth up to 32 Bit/pixel)										
1024 x 768 (recommended / max*)	85 / 120 Hz	85 / 120 Hz	120/200 Hz	120/200 Hz	120/200 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz
1280 x 1024 (recommended / max*)	85 / 120 Hz	85 / 120 Hz	100/150 Hz	100/150 Hz	100/150 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz
1600 x 1200 (recommended / max*)	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz
1440 x 900 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
1680 x 1050 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
1920 x 1200 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
* refresh rates reflect the max. graphics capabilities. Video quality can be deteriorated when using maximum settings. For TFT we recommend to use 60Hz.										
Graphic add on cards										
NVIDIA GeForce FX 7300LE 128MB, LP (DirectX 9)	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
NVIDIA GeForce FX 7300LE 256MB, LP (DirectX 9)	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
NVIDIA GeForce FX 7300LE 128MB (DirectX 9)	-	-	-	-	-	-	-	-	-	-
NVIDIA GeForce FX 7300LE 256MB (DirectX 9)	-	-	-	-	-	-	-	-	-	-
DVI adapter incl. Dual Monitoring (DVI/VGA)	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
Dual-DVI adapter incl. Dual Monitoring (DVI/DVI)	optional	optional	-	-	-	-	optional	optional	optional	optional
Electrical values			80+ PSU					80+ PSU		80+ PSU
Rated voltage range, AC	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V
Rated frequency range	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Operating voltage range, AC	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V
Operating line frequency range	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz
Max. output of power supply	270 W	270 W	300W	270 W	270 W	270 W	270 W	300W	270 W	300W
PFC (power factor correction)	active yes, switched	active yes, switched	active yes, switched	active yes, switched	active yes, switched	active yes, switched	active yes, switched	active yes, switched	active yes, switched	active yes, switched
Monitor outlet										
Power consumption for standard configuration (W) / CPU (1GB memory, HD, ODD, FDD, Operating system)	E6400	E6400	Athlon 64 X2 5200+	Athlon 64 X2 4200+	Athlon 64 X2 4200+	E6400	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850
Maximum (S0, running app. CD in use)	94W	94W	102W	102W	102W	78W	69W / 100W	62W / 90W	72W / 101W	63 W / 89W
Average (S0, running OS, Idle mode)	61W	60W	43W	47W	47W	54W	52W / 53W	44W / 45W	51W / 52W	45W / 45W

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	E5915	E5916	E5615, EPA	E5615	E5616	E5710	E5720	E5720, EPA	E5925 vPro	E5925 vPro, EPA
System notifications	x	x	x	x	x	x	x	x	x	x
Advanced alerts (ASF implementation)	x	x	-	-	-	-	x	x	x	x
Security Remote Control	x	x	x	x	x	x	x	x	x	x
DeskView Helpdesk Integration	x	x	x	x	x	x	x	x	x	x
DeskUpdate Driver management	x	x	x	x	x	x	x	x	x	x
DeskView Migrate	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
DeskView Control	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
PXE 2.1 Boot code	x	x	x	x	x	x	x	x	x	x
BootP Boot Code including Bootmanage Administrator										
Software	tested	tested	tested	tested	tested	tested	tested	tested	tested	tested
Wake up from S5 (off mode)	x	x	x	x	x	x	x	x	x	x
Intrusion switch	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
Security										
Physical Security implemented in the cabinet										
Prepared for Kensington lock, eye for padlock	x	x	x	x	x	x	x	x	x	x
Integrated cabinet lock	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
System Security										
Boot sector virus protection	x	x	x	x	x	x	x	x	x	x
Write protect option for the Flash EPROM	x	x	x	x	x	x	x	x	x	x
Embedded security (TPM1.2)	x	x	-	-	x	optional	x	x	x	x
Control of all USB interfaces / external USB interfaces detachable separately	x / x	x / x	x / -	x / -	x / -	x / -	x / x	x / x	x / x	x / x
Boot protection for floppy disk/CD drive and write protection for floppy disk drive	x	x	x	x	x	x	x	x	x	x
Control of external interfaces	x	x	x	x	x	x	x	x	x	x
User Security										
User and supervisor BIOS password	x	x	x	x	x	x	x	x	x	x
SystemLock 2 BIOS										
SmartCard Security	x	x	x	x	x	x	x	x	x	x
Hard disk password	x	x	x	x	x	x	x	x	x	x
Access protection via external SmartCard reader	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
Access protection via internal SmartCard reader	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
Serviceability										
FlexySlot	x	x	x	x	x	x	x	x	x	x
EasyFix	x	x	x	x	x	x	x	x	x	x
EasyChange (for HDD / for optical drives)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
EasyPull	x	x	x	x	x	x	x	x	x	x
Packaging information										
Dimension outside (H x W x D) in mm	500x290x 540	500x290x 540	500x290x 540	500x290x 540	500x290x 540	500x290x 540	500x290x 540	500x290x 540	500x290x 540	500x290x 540
Max. quantity/ pallet	24	24	24	24	24	24	24	24	24	24
Material/ weight in g										
Carton	1270g	1270g	1270g	1270g	1270g	1270g	1270g	1270g	1270g	1270g
EPS / PS	230g	230g	230g	230g	230g	230g	230g	230g	230g	230g
PE	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g
printed user documentation is bleached in chlorine free process										
Logos										



Recycling information/ End of life service information

product is designed for easy recyclability

information about take back and recycling you can find here

<http://www.fujitsu-siemens.com/recycling>

information about environmental initiatives, policies, programs and goals can be found here

<http://www.fujitsu-siemens.com/aboutus>

Product material information

For all restricted substances see the Environmental guideline FSC03230

The data reflects laboratory performance only. The customer configuration may perform differently, depending on the software, components and peripherals connected.